

ODORANT RECEPTORS AND USES THEREOF

Abstract of the Disclosure

5       The invention provides an isolated nucleic acid molecule  
encoding an odorant receptor. The invention also  
provides expression vectors containing such nucleic acid,  
purified odorant receptor proteins encoded by the nucleic  
acid, and transfected cells expressing the receptor  
10       proteins. The invention further provides methods of  
identifying odorant ligands and odorant receptors, of  
developing fragrances, of identifying appetite  
suppressant compounds, of controlling appetite, of  
controlling pest populations, of promoting and inhibiting  
15       fertility, and of detecting odors.